

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : RICOH CO LTD

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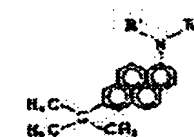
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(54) ELECTROPHOTOGRAPHIC SENSITIVE BODY

(57)Abstract:

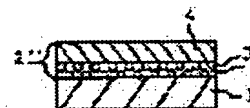
PURPOSE: To improve photosensitive characteristics and to reinforce the strength to heat and mechanical impact by using a specific aminopyrene compd. as a part of a charge transfer material.

CONSTITUTION: A dispersion prepd. by mixing and dissolving dian blue, tetrahydrofuran soln. of a polyester resin and tetrahydrofuran is applied as a charge generating material 3 on an aluminum surface of a conductive base 1 and is naturally dried to form a charge generating layer 5. The aminopyrene compd. expressed by general formula (I), polycarbonate resin and tetrahydrofuran are then mixed and dissolved and the mixture is applied on the charge generating layer 5 and is dried to form a charge transfer layer 4. The light transmitted through the charge transfer layer 4 arrives at the charge generating layer 5 and the generation of the charge carriers necessary for light attenuation takes place in this region. On the other hand, the charge transfer layer 4 transfers the charge carriers by receiving the implantation thereof. The photosensitive characteristics are excellent in this way and the photosensitive body is inexpensively produced.



(I)

(式(I)のR¹, R²は置換もしくは不置換のアリール基又は置換もしくは不置換のアルキル基を表わす。)



LEGAL STATUS

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